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ABSTRACT OF THE DISCLOSURE

A temperature controlled bearing includes a bearing element disposed within a temperature conductive housing for receiving and facilitating the rotation of a shaft. An oil sump may be formed within the housing or bearing which contains a supply of lubricant for the bearing. At least one fan is mounted to the exterior of the bearing housing, such as adjacent an oil sump. The fan is adapted to transfer heat from the bearing housing to the atmosphere by forced convection. A temperature sensor may be disposed within the bearing housing and coupled to a logic controller. The logic controller operates the fan according the temperature of the bearing as detected by the sensor.